

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide a method for designing a mold and a method for producing an injection molding in which a mold clamping force or weld line occurrence can be more accurately controlled in the case of injection molding of a resin product. In the case where an injection molding is carried out using a mold having a plurality of resin inflow conduits G1, G2, G3 to a cavity CV, a mold design parameter in relation to at least one of the arrangement, the shapes and the sizes of the resin inflow conduits is determined by the combination of a numerical analysis method for calculating an injection molding process and a computer-aided optimization method, for the purpose of obtaining a preferable injection molding condition. Thereby the mold design parameter can be promptly and accurately calculated without repetition of trial and error manually.